MIAMI-DADE COUNTY
DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI–DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175–2474
T (786) 315–2590 F (786) 315–2599
www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

Atrium Companies, Inc.
9001 Ambassador Row
Dallas, TX 75247

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami–Dade County RER – Product Control Section to be used in Miami–Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami–Dade County Product Control Section (In Miami–Dade County) and/or the AHJ (in areas other than Miami–Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami–Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "MSD/ M2–3 XHP Dry–Glazing" Aluminum Sliding Glass Door – N.I.

APPROVAL DOCUMENT: Drawing No. **ATR033,** titled Series "**MSD/ M2–3 XHP" Aluminum Sliding Glass Door**", sheets 1 through 9 of 9, dated 01/14/12, prepared by Building Drops, Inc., with the latest revision, dated 08/16/12, signed and sealed by Alexis Spyrou, P. E., bearing the Miami–Dade County Product Control Section Revision Stamp with the Notice of Acceptance Number and expiration date by the Miami–Dade County Product Control Section.

MISSILE IMPACT RATING: None.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, series, and following statement: "Miami–Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami–Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises NOA No. 10–0224.05** and consists of this page 1, evidence pages E–1 and E–2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P. E.**

MIAMI-DADE COUNTY APPROVED

J. Gascon 9/6/12

Atrium Companies, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
   (Submitted under previous NOA No. 10–0224.05)
2. Drawing No. **ATR033,** titled Series "**MSD/ M2–3 XHP" Aluminum Sliding Glass Door**", sheets 1 through 9 of 9, dated 01/14/12, prepared by Building Drops, Inc., with the latest revision, dated 08/16/12, signed and sealed by Alexis Spyrou, P. E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202–94
   2) Uniform Static Air Pressure Test, Loading per FBC TAS 202–94
   3) Water Resistance Test, per FBC, TAS 202–94
   4) Forced Entry Test, per FBC 2411 3.2.1, TAS 202–94

   along with marked–up drawings and installation diagram of aluminum sliding glass doors, prepared by Certified Testing Laboratories, Inc., Test Report No. **CTLA 1991W**, dated 10/28/09, signed and sealed by Ramesh C. Patel, P. E.
   (Submitted under previous NOA No. 10–0224.05)
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202–94
   2) Uniform Static Air Pressure Test, Loading per FBC TAS 202–94
   3) Water Resistance Test, per FBC, TAS 202–94
   4) Forced Entry Test, per FBC 2411 3.2.1, TAS 202–94

   along with manufacturer's parts and section drawing marked–up by Fenestration Testing Laboratory, Inc., Test Report No. **FTL–2348**, dated 06/25/99, witnessed by late Gilbert Diamond, P. E., reviewed, signed and sealed by Jose D. Mitrani, P. E.
   (Submitted under previous NOA No. 99–1116.09)
3. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202–94
   2) Uniform Static Air Pressure Test, Loading per FBC TAS 202–94
   3) Water Resistance Test, per FBC, TAS 202–94
   4) Forced Entry Test, per FBC 2411 3.2.1, TAS 202–94

   along with manufacturer's parts and section drawing marked–up by Fenestration Testing Laboratory, Inc., Test Report No. **FTL–2080**, dated 06/30/98, witnessed, signed and sealed by Gilbert Diamond, P. E.
   (Submitted under previous NOA No. 99–1116.09)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC–2010**, prepared by Building Drops, Inc., dated 02/22/12, prepared by Building Drops, Inc., with the latest revision, dated 08/16/12, signed and sealed by Alexis Spyrou, P. E.
2. **Glazing complies with ASTM E1300–04**

D. QUALITY ASSURANCE

1. Miami–Dade Department of Regulatory and Economic Resources (RER).

Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 12–0313.09
Expiration Date: May 12, 2015
Approval Date: September 13, 2012

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS

1. QUANEX Part DURASEAL edge glass sealant complying with the following:
   - **a)** Thermal Conductance (KLIN): 0.32W/ m^{o} C based on $^{1}/_{2}$–inch spacer.
   - **b)** ASTM F 1249–06(2011) Standard Test Method for Water Vapor Transmission Rate through Plastic Film and Sheeting Using a Modulated Infrared Sensor: 0.09g H_2O/ m^2 per 24 hrs.
   - **c)** ASTM E 2189–02 Standard Test Method for Testing Resistance to Fogging in Insulating Glass Units: PASSED.
   - **d)** ASTM D 1434–82 (2009) e1 Standard Test Method for Determining Gas Permeability Characteristics of Plastic Film and Sheeting: 6–8 c.c. / 100 $in.^2$ per 24 hrs.
   - **e)** Bond–Line Adhesive UV Resistance: Excellent.
   - **f)** ASTM E 546–88 (1999) e1 Standard Test Method for Frost Point of Sealed Insulating Glass Units: –20°F in 48 hrs.
   - **g)** Tensile Strength: 50 psi (TST–389C).

F. STATEMENTS

1. Statement letter of conformance, no financial interest and compliance with the **FBC–2010**, dated 08/16/12, signed and sealed by Alexis Spyrou, P. E.
2. Notification of Successor Engineer for manufacturer's NOA document per **Section 61G15-27.001** of the **Florida Administrative Code**, notifying original engineer that the successor engineer is assuming full professional and legal responsibility for all engineering documents pertaining to this NOA, dated 09/06/12, signed and sealed by Alexis Spyrou, P.E.
3. Laboratory addendum letter for Test Report No. **CTLA 1991W** issued by Certified Testing Laboratories, Inc., dated 03/19/10, signed and sealed by Ramesh C. Patel, P. E. ***(Submitted under previous NOA No. 10–0224.05)***
4. Laboratory compliance letter for Test Report No. **CTLA 1991W** issued by Certified Testing Laboratories, Inc., dated 10/28/09, signed and sealed by Ramesh C. Patel, P. E. ***(Submitted under previous NOA No. 10–0224.05)***
5. Laboratory compliance letter for Test Reports No.'s **FTL–2348** and **FTL–2080**, both issued by Fenestration Testing Laboratory, Inc., dated 09/26/97, both signed and sealed by Gilbert Diamond, P. E. ***(Submitted under previous NOA No. 99–1116.09)***

G. OTHERS

1. Notice of Acceptance **No. 10–0224.05**, issued to Atrium Florida, Inc. their Series **"M2–XHP Aluminum Sliding Glass Door – N.I."**, approved on 04/28/10 and expiring on 05/12/15.

Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 12–0313.09
Expiration Date: May 12, 2015
Approval Date: September 13, 2012

ATRIUM COMPANIES, INC.

MSD/M2-3 XHP ALUMINUM SLIDING GLASS DOOR (NON-IMPACT)

INSTALLATION NOTES:

1. TWO (2) INSTALLATION ANCHORS ARE REQUIRED AT EACH ANCHOR LOCATION SHOWN UNLESS OTHERWISE NOTED.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION OF THE MAXIMUM SIZE LISTED.
3. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH BASED ON THE DEPICTED LOCATION & SPACING IN THE ANCHOR LAYOUT DETAILS (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
4. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
5. **WOOD TYPE A:** FOR INSTALLATION INTO WOOD FRAMING USE #10 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
6. **WOOD TYPE B:** FOR INSTALLATION INTO WOOD FRAMING USE #14 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
7. **CONC./MASONRY TYPE A:** FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/MASONRY, USE 3/16 INCH DIAMETER ITW TAPCONS OR 3/16 INCH DIAMETER ELCO ULTRACONS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/4 INCH MINIMUM EMBEDMENT.
8. **CONC./MASONRY TYPE B:** FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/MASONRY, USE 1/4 INCH DIAMETER ITW TAPCONS OR 1/4 INCH DIAMETER ELCO ULTRACONS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/4 INCH MINIMUM EMBEDMENT.
9. **METAL TYPE A:** FOR INSTALLATION INTO METAL STUD OR APPROVED MULLION USE #12 ITW TEK SELECT, #12 DRIL-FLEX SAE GR. 5 BY ELCO, OR #12 SAE GR. 5 KWIK-FLEX BY HILTI SELF DRILLING SCREWS OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 3 THREADS PENETRATION BEYOND METAL FRAME SUBSTRATE.
10. **METAL TYPE B:** FOR INSTALLATION INTO METAL STUD OR APPROVED MULLION USE 1/4-14 ITW TEK SELECT, 1/4-20 DRIL-FLEX SAE GR. 5 BY ELCO, OR 1/4-20 SAE GR. 5 KWIK-FLEX BY HILTI SELF DRILLING SCREWS OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 3 THREADS PENETRATION BEYOND METAL FRAME SUBSTRATE.
11. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
12. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
13. FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
14. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.
15. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
    A. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.
    B. CONCRETE -MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
    C. GROUT-FILLED CMU- UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 1924 PSI AND GROUT CONFORMS TO ASTM C 476, MINIMUM GROUT COMPRESSIVE STRENGTH OF 2000 PSI.
    D. HOLLOW BLOCK CMU - UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 1924 PSI.
    E. STEEL - MINIMUM YIELD STRENGTH OF 36 KSI. MINIMUM WALL THICKNESS OF 59.8 MIL (0.0598" or 16 GAUGE). MIN. 1/2" EDGE DISTANCE.
    F. ALUMINUM - MINIMUM ALLOY 6063-T5. MINIMUM WALL THICKNESS OF 1/8" (0.125"). MIN. 1/2" EDGE DISTANCE

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 2010 FLORIDA BUILDING CODE (FBC), INCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
    - TAS 202-94
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X FRAMING, AND METAL STUD FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
3. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
4. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT IN NON-HVHZ AREAS. IN HVHZ AREAS, ONE TIME PRODUCT APPROVAL TO BE OBTAINED FROM MIAMI-DADE PERA.
5. APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. DOOR FRAME MATERIAL: ALUMINUM 6063-T6
7. IN ACCORDANCE WITH THE 2010 FBC SEC. 2003.8.4 DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME INTO CONTACT WITH ALUMINUM UNIT FRAMING SHALL BE PROTECTED AS DEFINED IN SEC 2003.8.4.2.
8. GLASS MEETS THE REQUIREMENTS OF ASTM E 1300-04 GLASS CHARTS. SEE SHEET 7 FOR GLAZING DETAILS.
9. THIS PRODUCT IS A DRY GLAZING SYSTEM.
10. SEE SHEET 7 FOR UNIT CONFIGURATIONS QUALIFIED UNDER THIS APPROVAL.

TABLE OF CONTENTS

MISSILE IMPACT RATING
NON-IMPACT

ATRIUM COMPANIES, INC.
9001 AMBASSADOR ROW
DALLAS, TEXAS 75247
PH: (214) 637-2696 FX: (214) 424-6734

TITLE: MSD/M2-3 XHP ALUM. SLIDING GLASS DOOR INSTALLATION & GENERAL NOTES

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
PH: 954.399.8478 FX: 954.744.4738

REVISIONS

NO.	DESCRIPTION	BY	DATE

ALEXIS SPYROU
FLORIDA P. E. NO. 68701
398 EAST DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION NO# 29578

8-16-12

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 12-0313.09
Expiration Date 05/12/2015
By
Miami Dade Product Control

DATE: 01.14.12 | DWN BY: JLA | CHK BY: HFN | SCALE: NTS

DWG #: ATR033

SHEET: 1 OF 9

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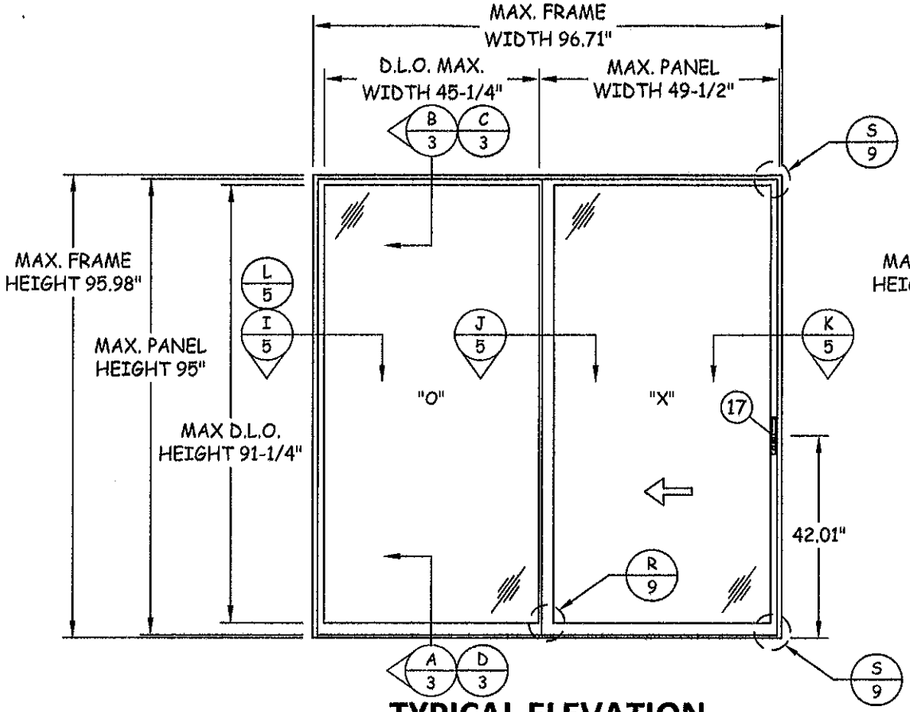
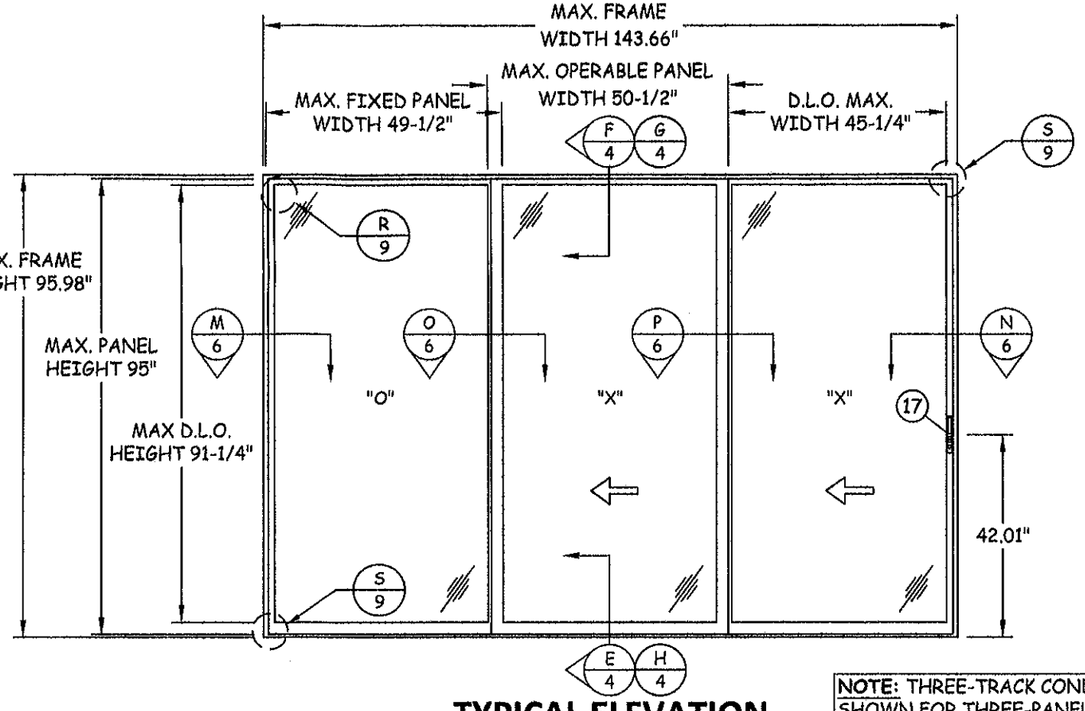


TYPICAL ELEVATION

TWO-PANEL UNIT

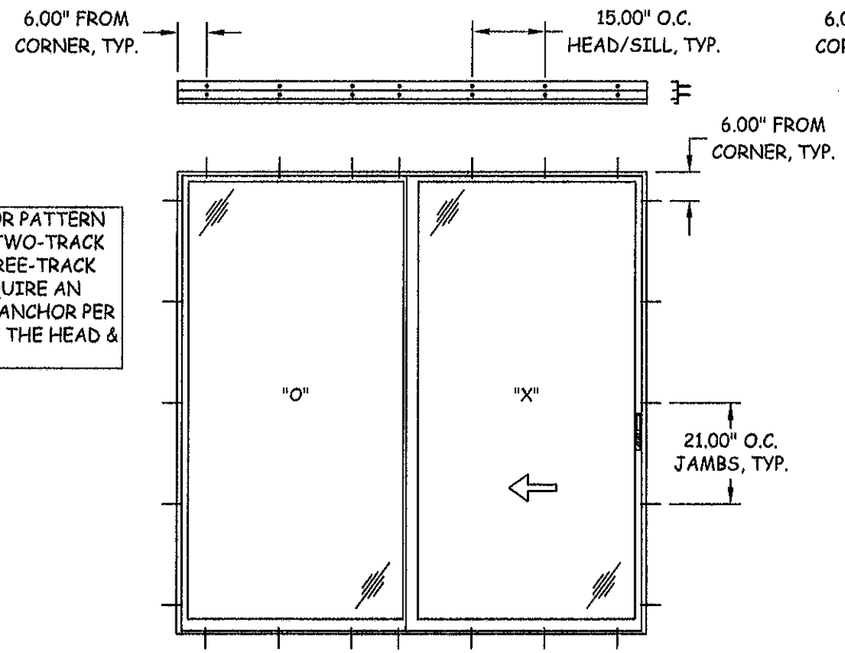


TYPICAL ELEVATION

THREE-PANEL UNIT

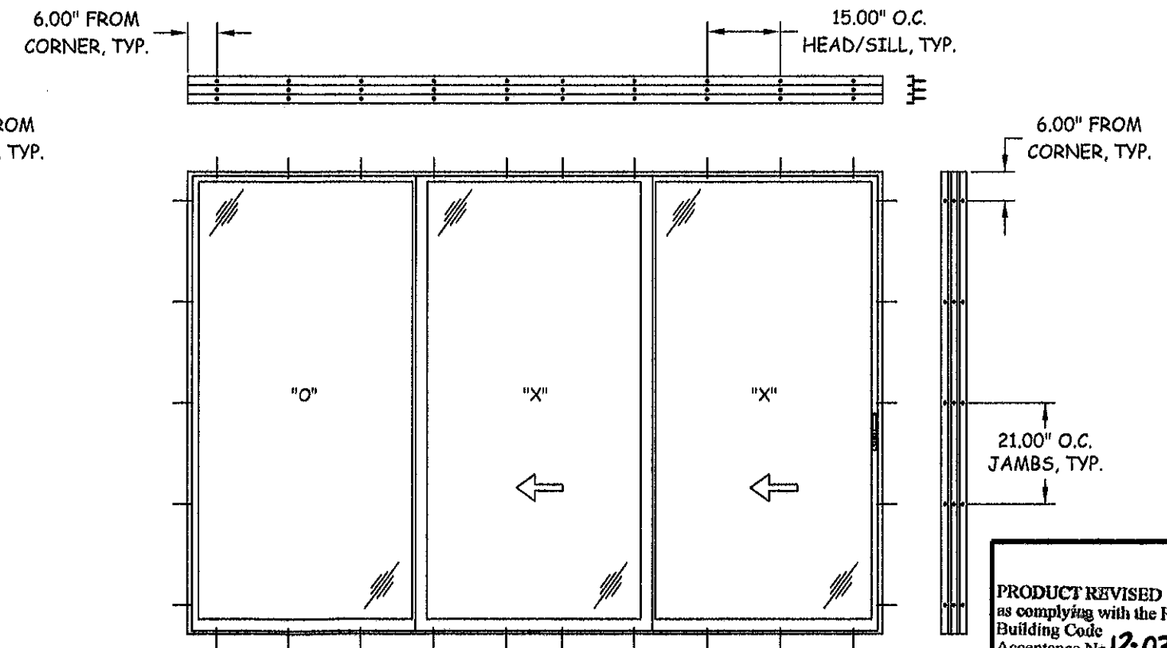
NOTE: THREE-TRACK CONDITION SHOWN FOR THREE-PANEL UNIT. SEE SHEET 7 FOR QUALIFIED CONFIGURATIONS.

NOTE: ANCHOR PATTERN SHOWN FOR TWO-TRACK SYSTEMS. THREE-TRACK SYSTEMS REQUIRE AN ADDITIONAL ANCHOR PER LOCATION AT THE HEAD & JAMBS.



ANCHOR LAYOUT

TWO-PANEL UNIT



ANCHOR LAYOUT

THREE-PANEL UNIT

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 12-0313.09
Expiration Date 05/12/2015
By
Miami Dade Product Control

ATRIUM COMPANIES, INC.
9001 AMBASSADOR ROW
DALLAS, TEXAS 75247
PH: (214) 637-2696 FX: (214) 424-6734

TITLE: MSD/M2-3 XHP ALUM. SLIDING GLASS DOOR ELEVATIONS & ANCHOR LAYOUTS

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
PH: 954.399.8478 FX: 954.744.4738

REVISIONS

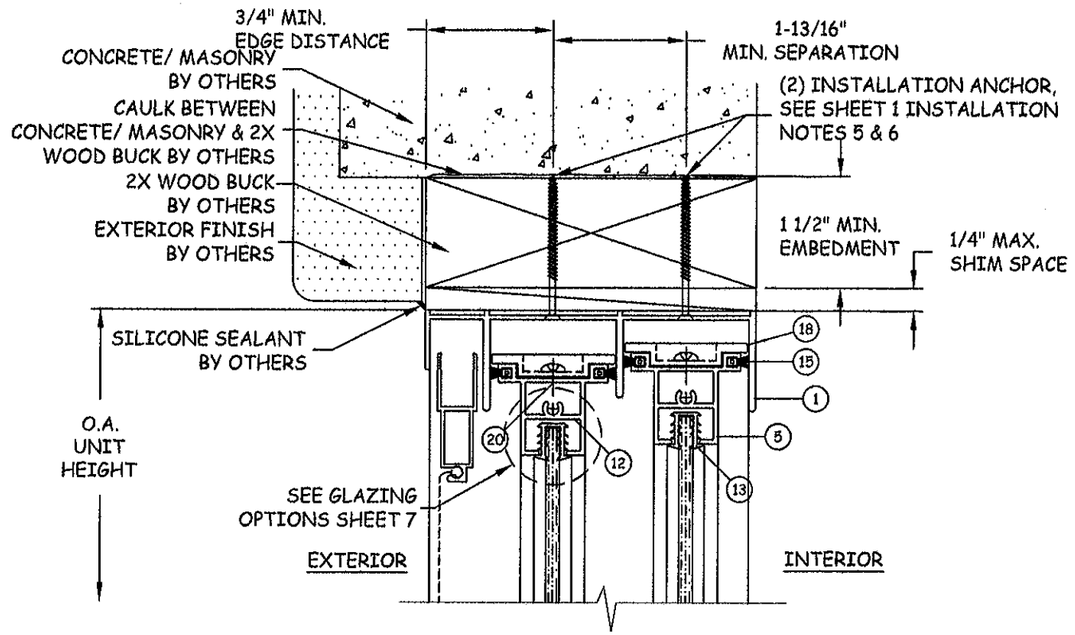
NO.	DESCRIPTION	BY	DATE

ALEXIS SPYROU, P.E. NO. 58101
FLORIDA P.E. NO. 58101
398 EAST DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION NO. 29578

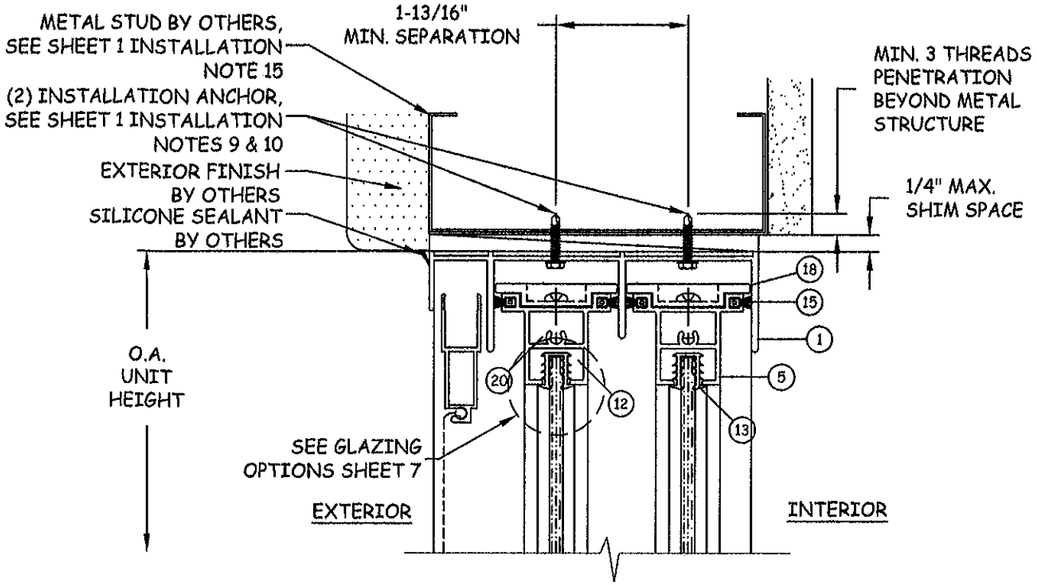
DATE: 01.14.12 | DWN BY: JLA | CHK BY: HFN | SCALE: NTS

DWG #: ATR033

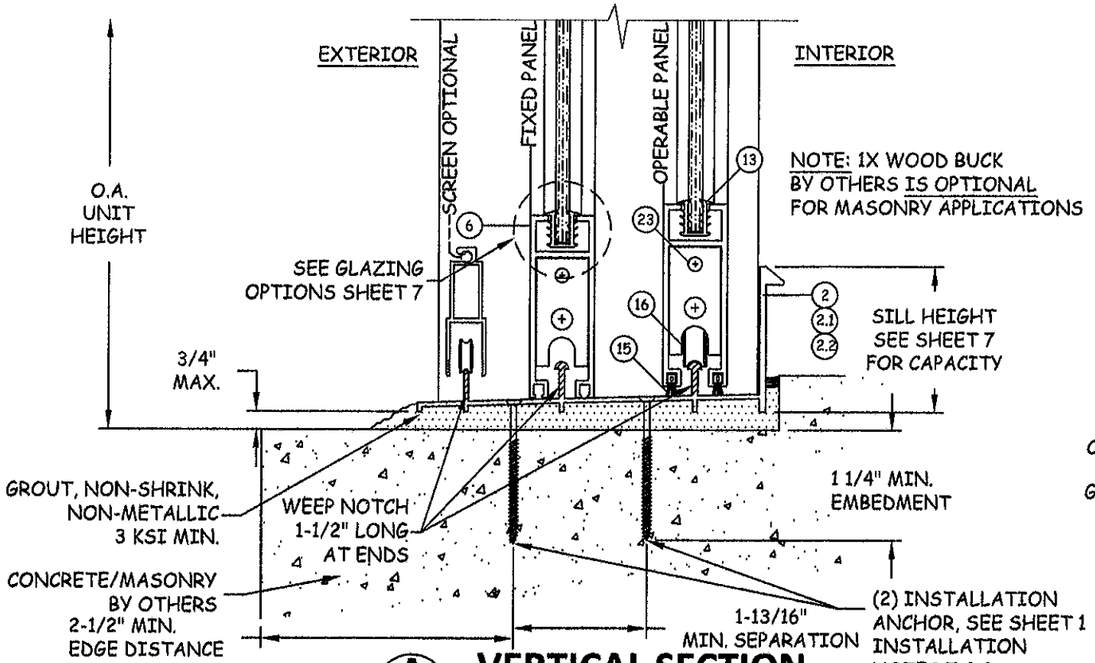
SHEET: 2 OF 9



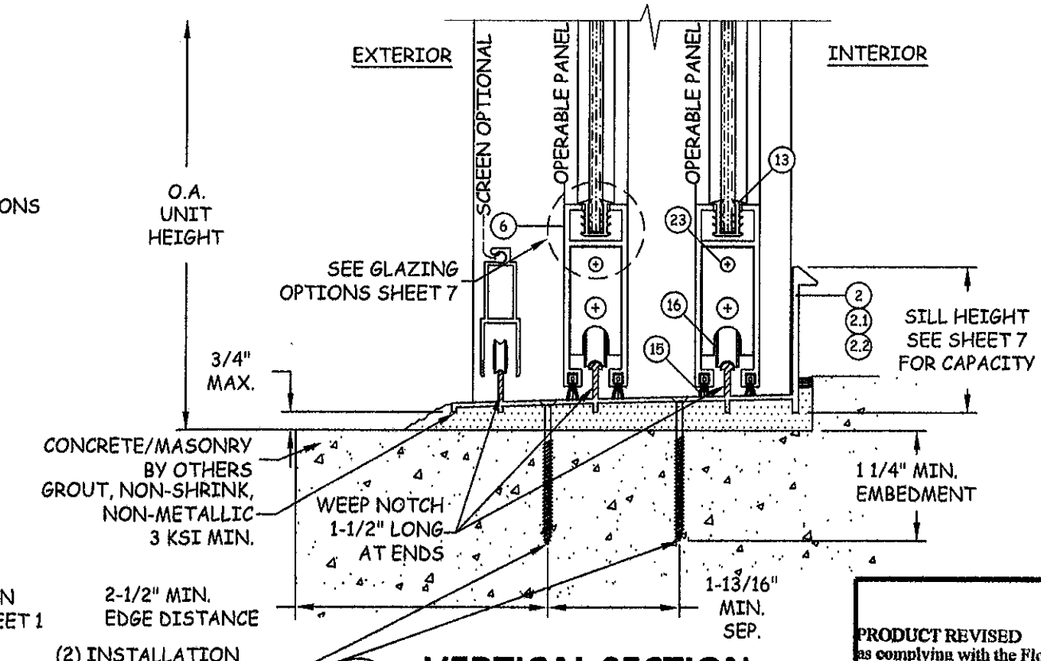
B/3 VERTICAL SECTION
HEAD - 2X WOOD BUCK
TWO-TRACK UNIT



C/3 VERTICAL SECTION
HEAD-METAL STUD
TWO-TRACK UNIT



A/3 VERTICAL SECTION
SILL - CONCRETE/MASONRY
TWO-TRACK UNIT



D/3 VERTICAL SECTION
SILL - CONCRETE/MASONRY
TWO-TRACK UNIT

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0313.09
Expiration Date 05/12/2015
By
Miami Dade Product Control

ATRIUM
COMPANIES, INC.
9001 AMBASSADOR ROW
DALLAS, TEXAS 75247
PH: (214) 637-2696 FX: (214) 424-6734

TITLE: MSD/M2-3 XHP ALUM. SLIDING GLASS DOOR VERTICAL SECTIONS (TWO-TRACK)

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
PH: 954.399.8478 FX: 954.744.4738

REVISIONS

NO.	DESCRIPTION	BY	DATE

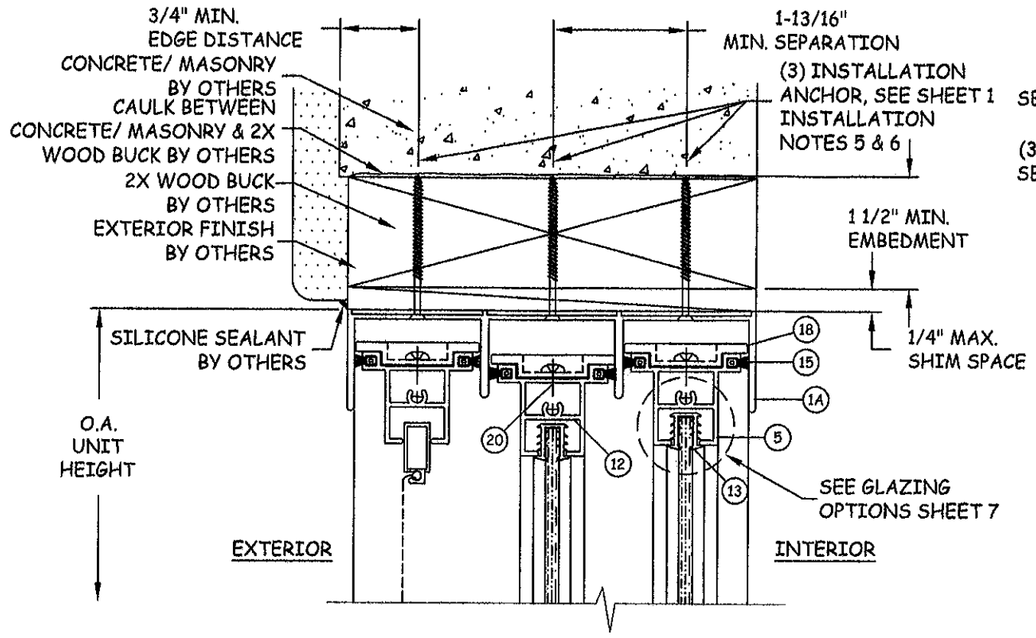
8-16-12

ALEXIS SPYROU
FLORIDA P. E. NO. 68100
398 EAST DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION NO. 29578

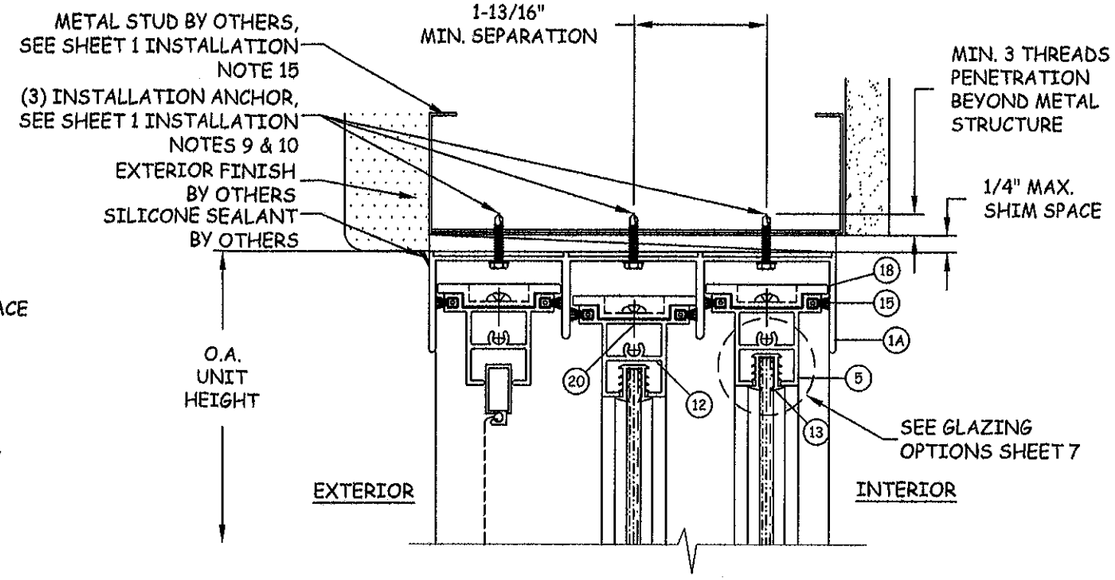
DATE:	DWN BY:	CHK BY:	SCALE:
01.14.12	JLA	HFN	NTS

DWG #: ATR033

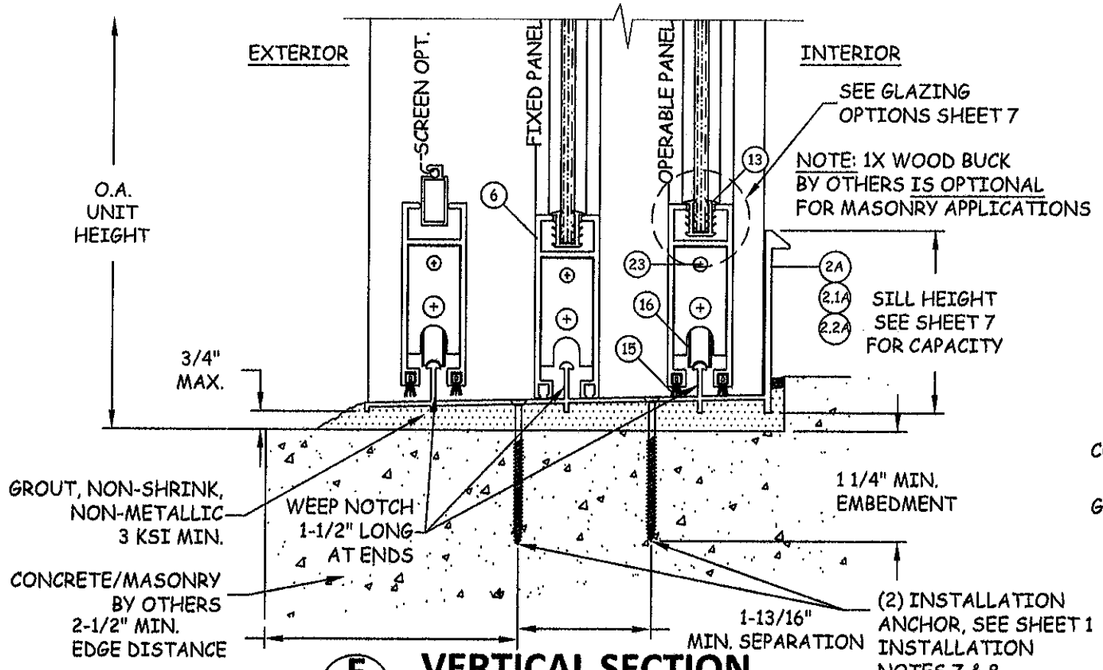
SHEET: 3 OF 9



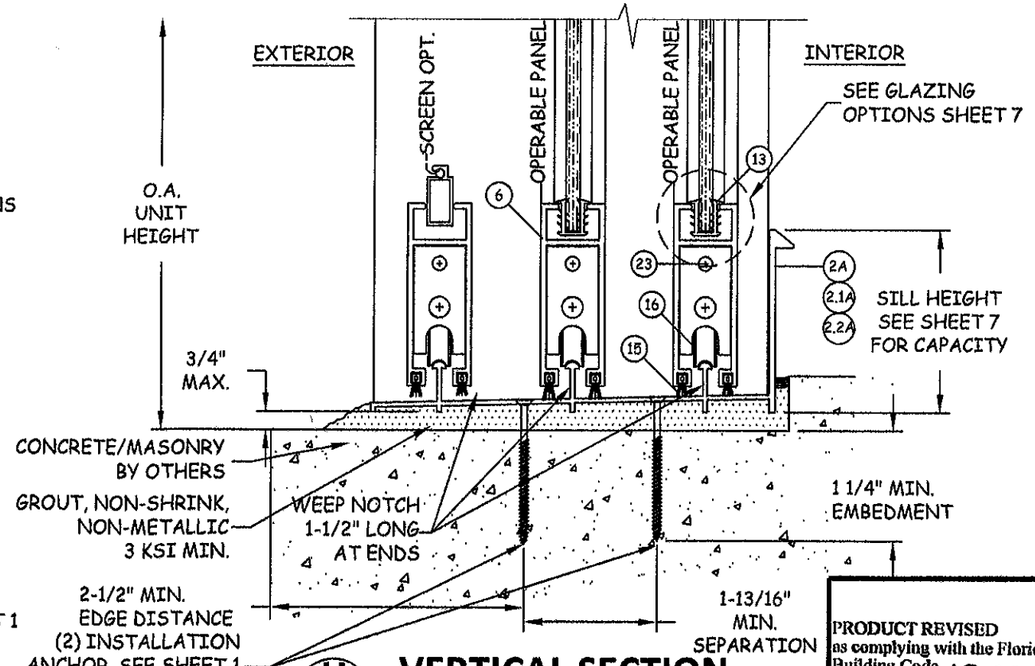
F/4 VERTICAL SECTION
HEAD - 2X WOOD BUCK
THREE-TRACK UNIT



G/4 VERTICAL SECTION
HEAD-METAL STUD
THREE-TRACK UNIT



E/4 VERTICAL SECTION
SILL - CONCRETE/MASONRY
THREE-TRACK UNIT



H/4 VERTICAL SECTION
SILL - CONCRETE/MASONRY
THREE-TRACK UNIT

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0313.09
Expiration Date 05/12/2015
By
Miami Dade Product Control

ATRIUM COMPANIES, INC.
9001 AMBASSADOR ROW
DALLAS, TEXAS 75247
PH: (214) 637-2696 FX: (214) 424-6734

TITLE: MSD/M2-3 XHP ALUM. SLIDING GLASS DOOR VERTICAL SECTIONS (THREE-TRACK)

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
PH: 954.399.8478 FX: 954.744.4738

REVISIONS

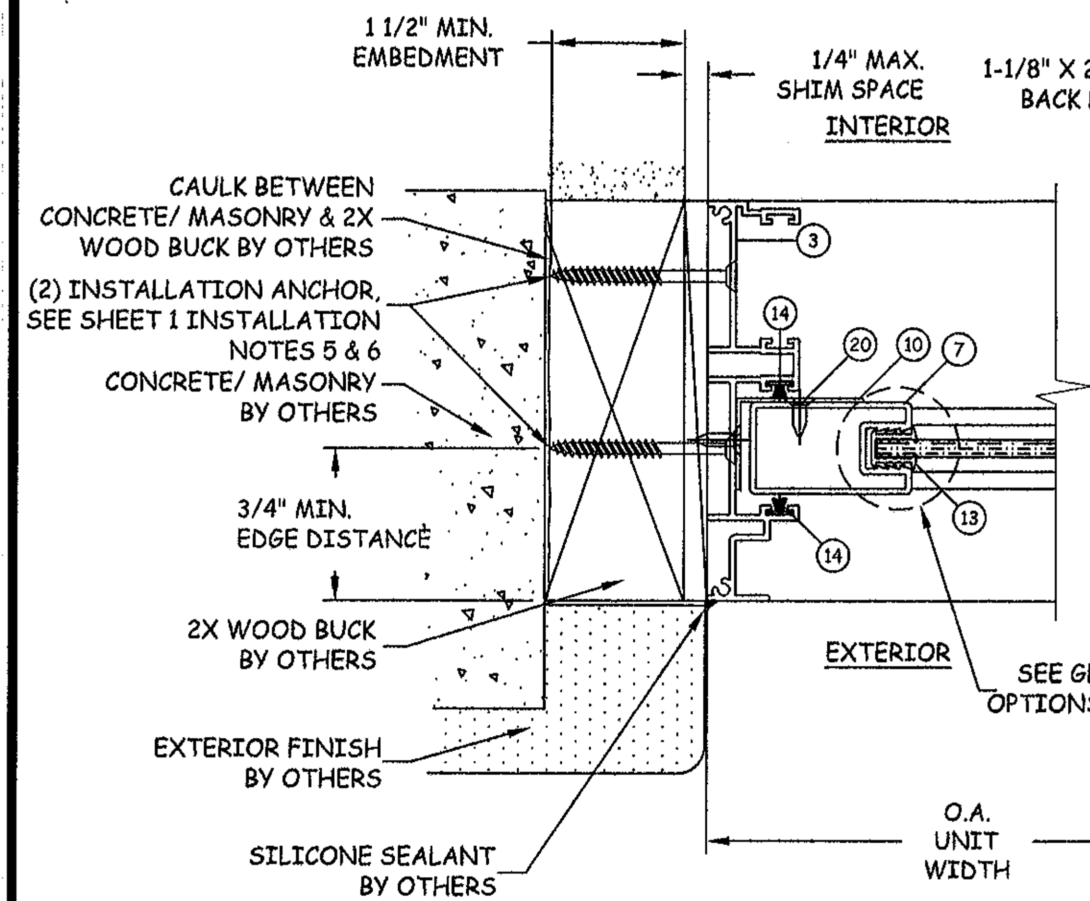
NO.	DESCRIPTION	BY	DATE

ALEXIS SPYROU
FLORIDA P. E. NO. 68701
398 EAST DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION NO. 29578

DATE: 01.14.12
DWN BY: JLA
CHK BY: HFN
SCALE: NTS

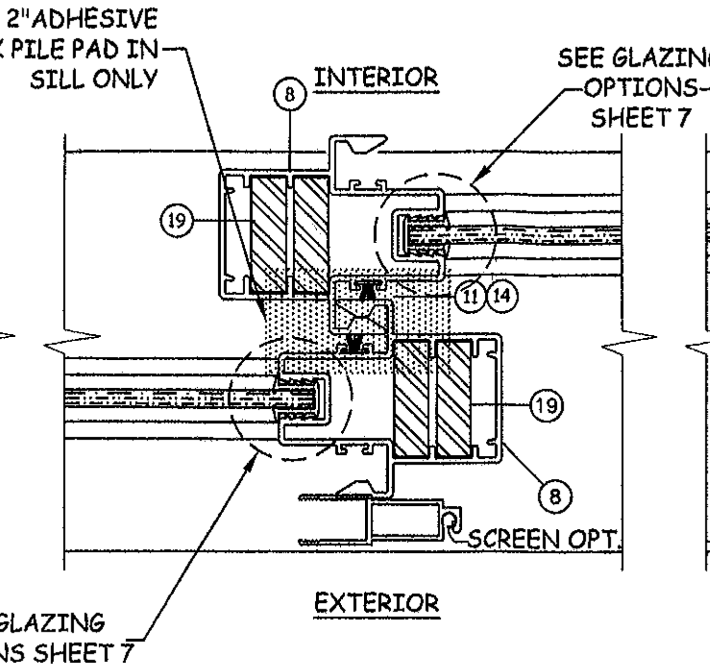
DWG #: ATR033

SHEET: 4 OF 9



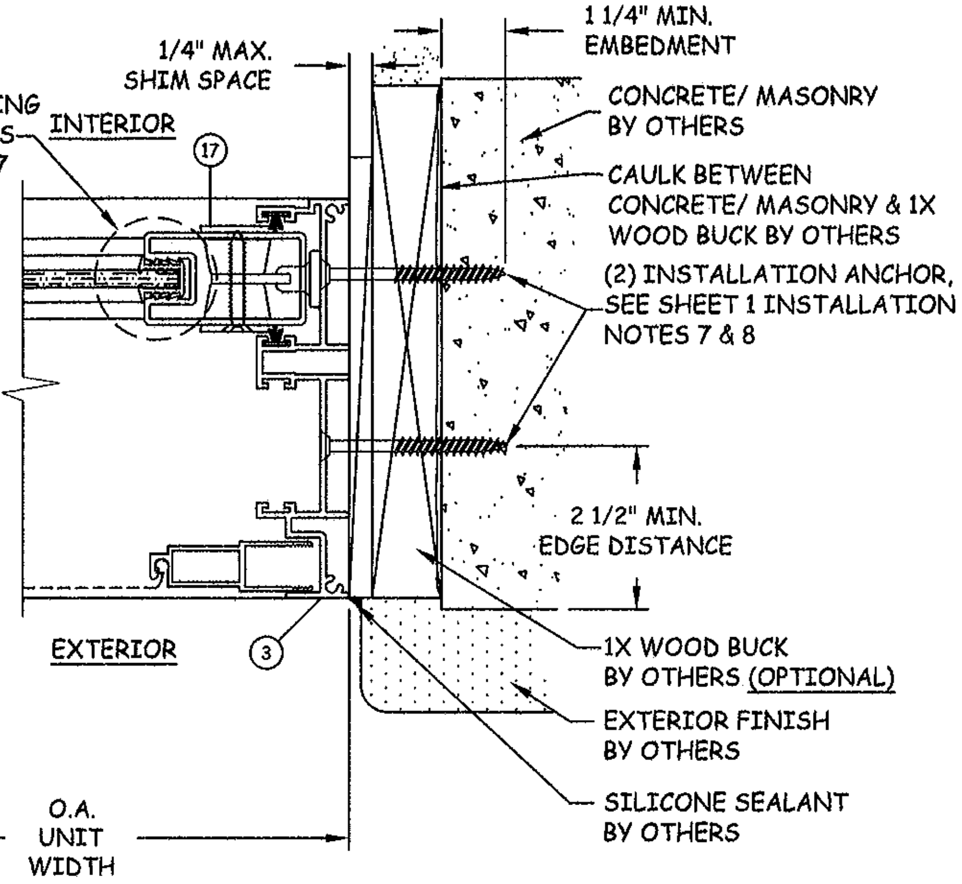
I/5 **HORIZONTAL SECTION**

JAMB - 2X WOOD BUCK
TWO-TRACK UNIT



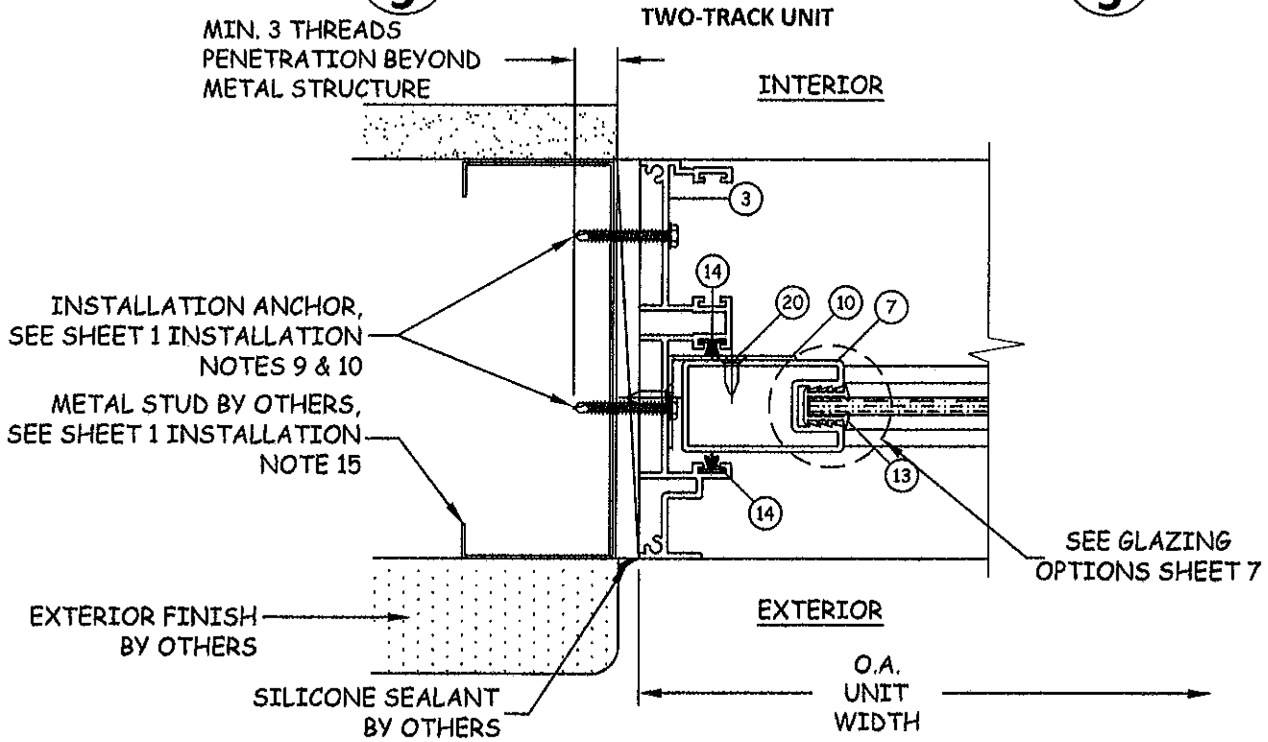
J/5 **HORIZONTAL SECTION**

INTERLOCK



K/5 **HORIZONTAL SECTION**

JAMB - CONCRETE/MASONRY
TWO-TRACK UNIT



L/5 **HORIZONTAL SECTION**

JAMB-METAL STUD
TWO-TRACK UNIT

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 12-0313.09
Expiration Date 05/12/2015
By
Miami Dade Product Control

ATRIUM COMPANIES, INC.
9001 AMBASSADOR ROW
DALLAS, TEXAS 75247
PH: (214) 637-2696 FX: (214) 424-6734

TITLE: MSD/M2-3 XHP ALUM. SLIDING GLASS DOOR
HORIZONTAL SECTIONS (TWO-TRACK)

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
PH: 954.399.8478 FX: 954.744.4738

REVISIONS

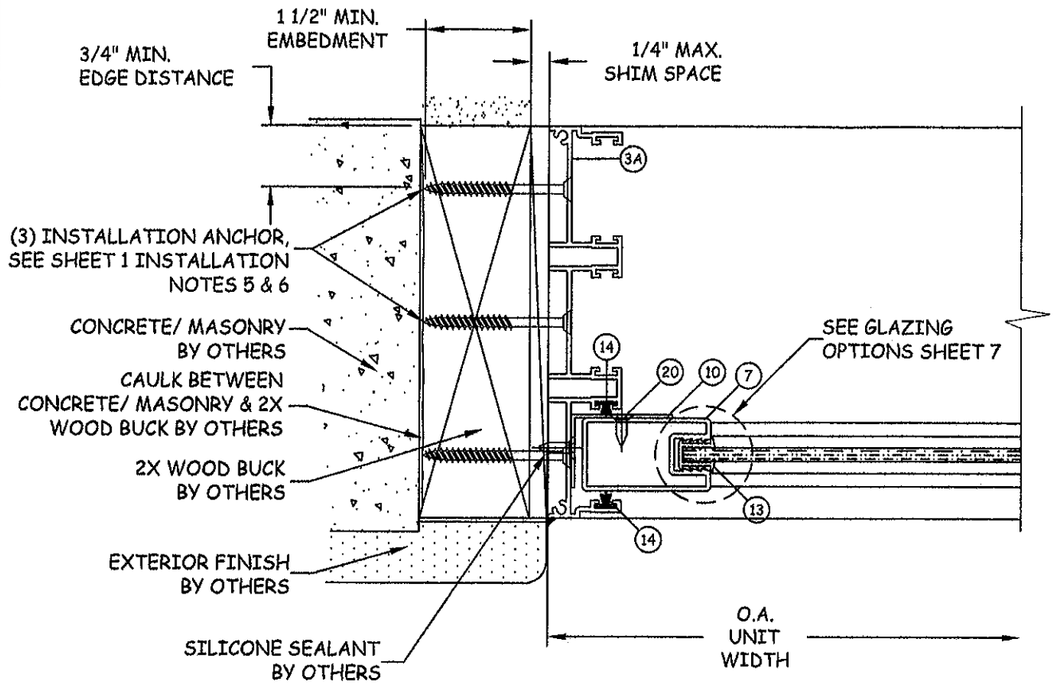
NO.	DESCRIPTION	BY	DATE

ALEXIS SPYROU
FLORIDA P. E. NO. 58101
398 EAST DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION NO. 29578

DATE: 01.14.12
DWN BY: JLA
CHK BY: HFN
SCALE: NTS

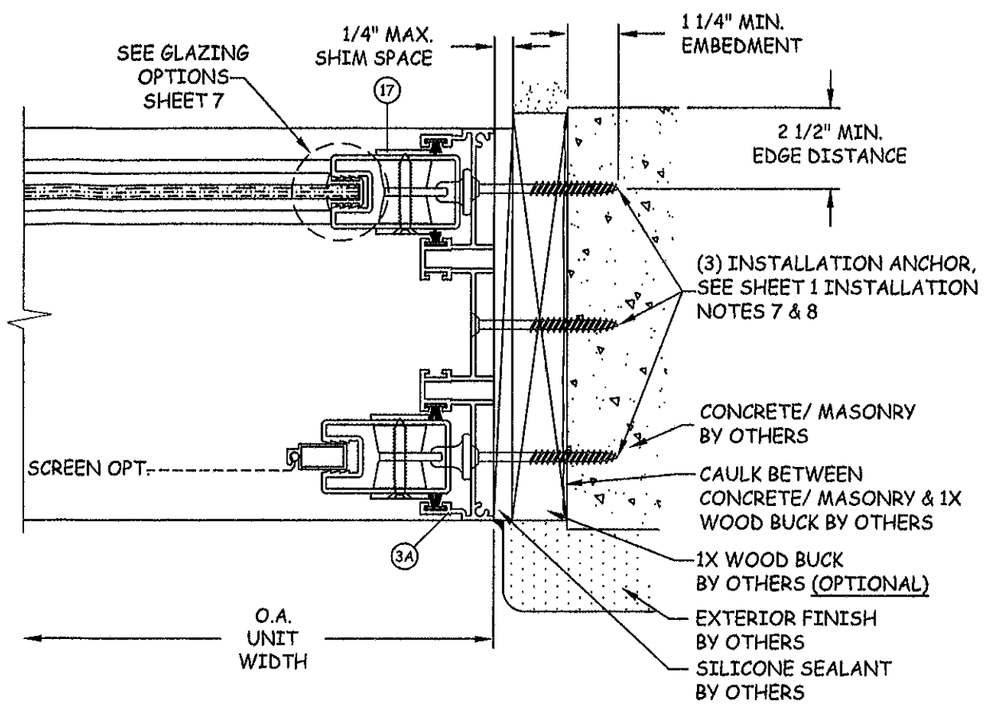
DWG #: ATR033

SHEET: 5 OF 9



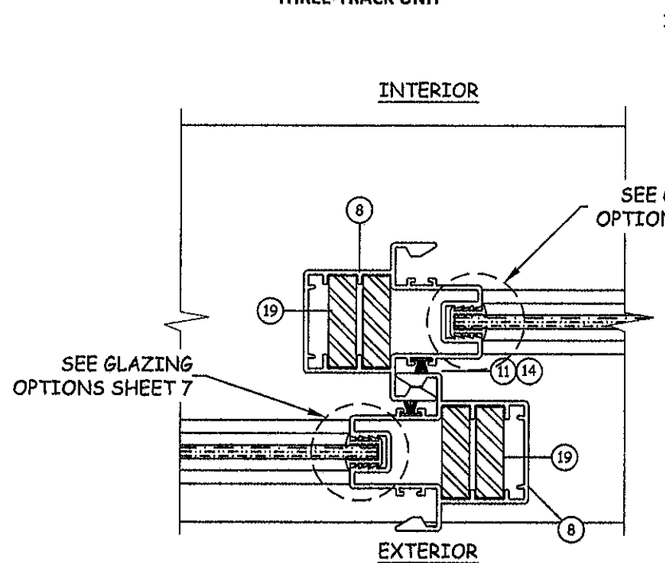
M/6 HORIZONTAL SECTION

JAMB - 2X WOOD BUCK
THREE-TRACK UNIT



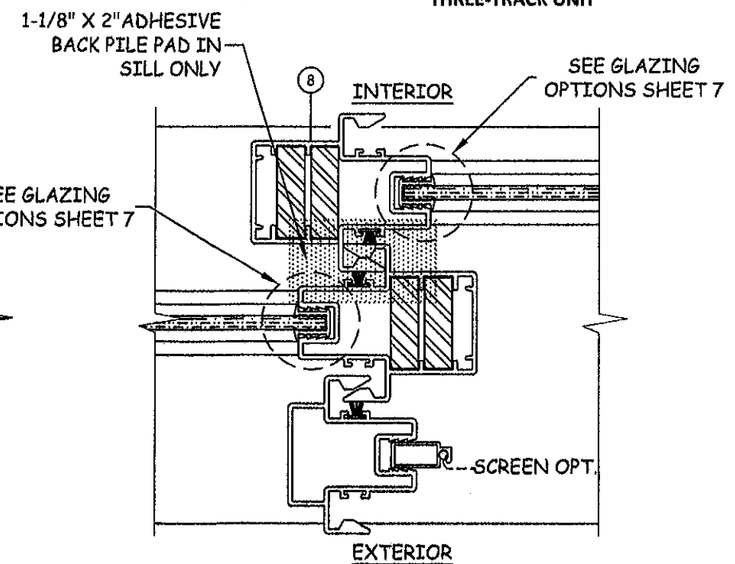
N/6 HORIZONTAL SECTION

JAMB - CONCRETE/MASONRY
THREE-TRACK UNIT



O/6 HORIZONTAL SECTION

FIXED INTERLOCK



P/6 HORIZONTAL SECTION

OPERATING INTERLOCK

PRODUCT REVISED
to complying with the Florida
Building Code
Acceptance No 12-0313.09
Expiration Date 03/12/2015
By
Miami Dade Product Control

ATRIUM COMPANIES, INC.
9001 AMBASSADOR ROW
DALLAS, TEXAS 75247
PH: (214) 637-2696 FX: (214) 424-6734

TITLE: MSD/M2-3 XHP ALUM. SLIDING GLASS DOOR HORIZONTAL SECTIONS (THREE-TRACK)

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
PH: 954.399.8478 FX: 954.744.4738

REVISIONS	NO.	DESCRIPTION	BY	DATE

ALEXIS SPIRCU
FLORIDA P. E. NO. 68101
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION NO. 29578

DATE:	DWN BY:	CHK BY:	SCALE:
01.14.12	JLA	HFN	NTS

DWG #: ATR033

SHEET: 6 OF 9

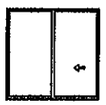
TWO-PANEL UNITS - DESIGN LOAD CAPACITY (PSF)					
UNIT HEIGHT	PANEL WIDTH (NOMINAL)	ANCHOR TYPE 'A'		ANCHOR TYPE 'B'	
		POS. (+)	NEG. (-)	POS. (+)	NEG. (-)
6'-8"	2'-6"	68.4	68.4	70.0	75.0
	3'-0"	59.8	59.8	70.0	75.0
	3'-6"	53.8	53.8	70.0	74.2
	4'-0"	49.6	49.6	68.4	68.4
7'-0"	2'-6"	64.4	64.4	70.0	75.0
	3'-0"	56.1	56.1	70.0	75.0
	3'-6"	50.4	50.4	69.4	69.4
	4'-0"	46.3	46.3	63.8	63.8
8'-0"	2'-6"	54.9	54.9	70.0	75.0
	3'-0"	47.5	47.5	65.4	65.4
	3'-6"	42.3	42.3	58.3	58.3
	4'-0"	38.6	38.6	53.2	53.2

THREE-PANEL UNITS - DESIGN LOAD CAPACITY (PSF)					
UNIT HEIGHT	PANEL WIDTH (NOMINAL)	ANCHOR TYPE 'A'		ANCHOR TYPE 'B'	
		POS. (+)	NEG. (-)	POS. (+)	NEG. (-)
6'-8"	2'-6"	65.0	65.0	65.0	65.0
	3'-0"	58.1	58.1	65.0	65.0
	3'-6"	52.3	52.3	65.0	65.0
	4'-0"	48.2	48.2	65.0	65.0
7'-0"	2'-6"	62.6	62.6	65.0	65.0
	3'-0"	54.5	54.5	65.0	65.0
	3'-6"	49.0	49.0	65.0	65.0
	4'-0"	45.0	45.0	65.0	65.0
8'-0"	2'-6"	53.3	53.3	65.0	65.0
	3'-0"	46.2	46.2	65.0	65.0
	3'-6"	41.1	41.1	65.0	65.0
	4'-0"	37.5	37.5	59.4	59.4

NOTES:
1. ALL EXTERIOR(+) LOADS SHOWN IN CHARTS ABOVE ARE FOR DOORS WITH 3" SILL HEIGHTS.
2. FOR 2-1/2" SILL HEIGHT LIMIT EXT.(+) LOADS TO 55.0 PSF
3. FOR 2" SILL HEIGHT LIMIT EXT.(+) LOADS TO 40.0 PSF
4. SEE INSTALLATION NOTES 5-10 ON SHEET 1 FOR ANCHOR DETAILS.

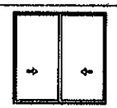
NOTE: THIS PRODUCT UTILIZES A DRY-GLAZING SYSTEM

QUALIFIED CONFIGURATIONS



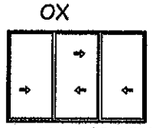
TWO-TRACK

OX (SHOWN)
XO

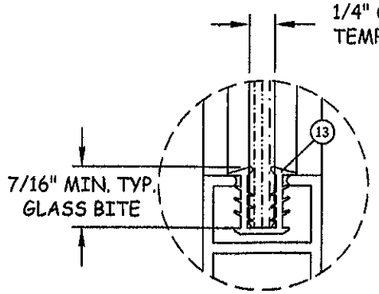


THREE-TRACK

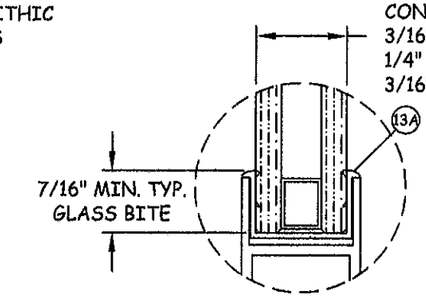
XX (SHOWN)
XO
OX



XXX (SHOWN)
OXX
XXO
OXO



GLAZING DETAIL 1



GLAZING DETAIL 2

NOTE: GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-04 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05-DEC-219

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 12-0313.09
Expiration Date 05/12/2015
By
Miami Dade Product Control

ATRIUM COMPANIES, INC.
9001 AMBASSADOR ROW
DALLAS, TEXAS 75247
PH: (214) 637-2696 FX: (214) 424-6734

TITLE: MSD/M2-3 XHP ALUM. SLIDING GLASS DOOR DP TABLES, GLAZING DETAILS, & QUALFIED CONFIGS.

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
PH: 954.399.8478 FX: 954.744.4738

REVISIONS

NO.	DESCRIPTION	BY	DATE

ALEXIS STATEN
FLORIDA P.E. #68101
398 EAST DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION NO. 29578

8/16/12

DATE:	DWN BY:	CHK BY:	SCALE:
01.14.12	JLA	HFN	NTS

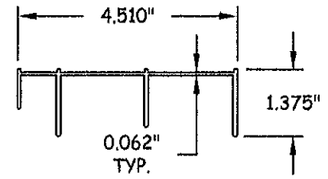
DWG #: ATR033

SHEET: 7 OF 9

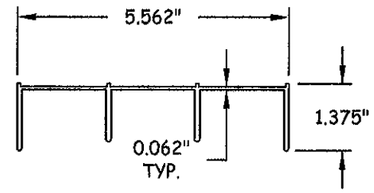
BILL OF MATERIALS

ITEM NO.	PART NO.	DESCRIPTION	MATERIAL	MANFACTURER
1	KCO-194	FRAME HEAD (2 TRACK)	6063-T6	-
1A	KCO-198	FRAME HEAD (3 TRACK)	6063-T6	-
2	KCO-121	2" FRAME SILL (2 TRACK)	6063-T6	-
2.1	KCO-203	2-1/2" FRAME SILL (2 TRACK)	6063-T6	-
2.2	KCO-213	3" FRAME SILL (2 TRACK)	6063-T6	-
2A	KCO-122	2" FRAME SILL (3 TRACK)	6063-T6	-
2.1A	KCO-204	2-1/2" FRAME SILL (3 TRACK)	6063-T6	-
2.2A	KCO-214	3" FRAME SILL (3 TRACK)	6063-T6	-
3	KCO-58	FRAME JAMB (2 TRACK)	6063-T6	-
3A	KCO-9	FRAME JAMB (3 TRACK)	6063-T6	-
5	KCO-192	TOP RAIL (SINGLE GLAZE)	6063-T6	-
5A	KCO-193	TOP RAIL (INSUL. GLASS)	6063-T6	-
6	KCO-8	BOTTOM RAIL (SINGLE GLAZE)	6063-T6	-
6A	KCO-46	BOTTOM RAIL (INSUL. GLASS)	6063-T6	-
7	KCO-18	LOCK STILE (SINGLE GLAZE)	6063-T6	-
7A	KCO-47	LOCK STILE (INSUL. GLASS)	6063-T6	-
8	KCO-198	INTERLOCK (SINGLE GLAZE)	6063-T6	-
8A	KCO-201	INTERLOCK (INSUL. GLASS)	6063-T6	-
10	KCO-36	PANEL BRACKET, 1-1/2" LONG	6063-T6	AT 12" FROM ENDS
11	460-270-6	W' SEAL PILE WITH FIN, 1-1/2" LONG	-	AMESBURY, @ TOP OF EA. INTERLOCK.
12	#10 X 5/8"	PANEL ASSEMBLY SCREWS, TOP	-	PH SMS
13	VF-1757	GLAZING CHANNEL, DUROMETER 80	PVC	VYTRON OR EQUIV.
13A	-	GLAZING CHANNEL, DUROMETER 80	PVC	-
14	W61175NG	PILE WITH PLASTIC FIN, DOUBLE ROW	-	ULTRAFAB
15	5955	PILE WITH PLASTIC FIN	-	ULTRAFAB
16	-	ROLLER ASSEMBLY	STEEL	DELTA IND. OR EQUIV.
17	NO. 1720	HOOK LOCK & KEEPER	ZAMAK	DELTA IND. OR NATIONWIDE
18	DPRG-2	TOP RAIL GUIDE @ 1-7/8" FROM ENDS	NYLON	PROGRESS PLASTICS
19	-	3/8" X 1-1/4" BAR, FULL LENGTH	STEEL	A36, Fy = 47 KSI MIN.
20	#8 X 1/2"	PAN HEAD SMS	-	-
23	1/4-20X3/8"	PANEL ASSEMBLY SCREWS, BOTTOM	-	-

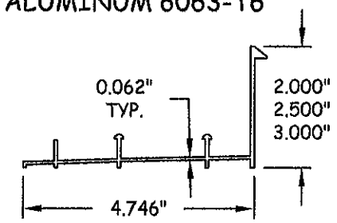
(1) FRAME HEAD (2-TRACK)
ALUMINUM 6063-T6



(1A) FRAME HEAD (3-TRACK)
ALUMINUM 6063-T6

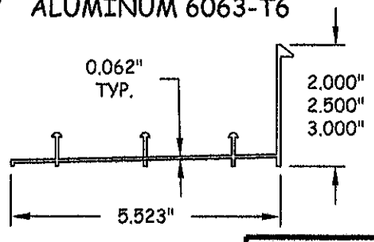


(2) 2" FRAME SILL (2-TRACK)
ALUMINUM 6063-T6



(2) 2.000" SILL HT.
(2.1) 2.500" SILL HT.
(2.2) 3.000" SILL HT.

(2A) 2" FRAME SILL (3-TRACK)
ALUMINUM 6063-T6



(2A) 2.000" SILL HT.
(2.1A) 2.500" SILL HT.
(2.2A) 3.000" SILL HT.

PRODUCT REVISED
is complying with the Florida
Building Code
Acceptance No 12-0313.09
Expiration Date 05/12/2015
By
Miami Dade Product Control

ATRIUM COMPANIES, INC.
9001 AMBASSADOR ROW
DALLAS, TEXAS 75247
PH: (214) 637-2696 FX: (214) 424-6734

TITLE: MSD/M2-3 XHP ALUM. SLIDING GLASS DOOR COMPONENTS & BILL OF MATERIALS

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
PH: 954.399.8478 FX: 954.744.4738

REVISIONS

NO.	DESCRIPTION	BY	DATE

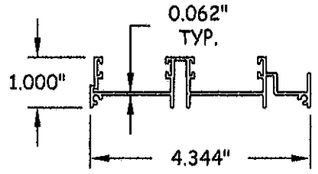
ALEXIS SYROPOULOS
FLORIDA P.E. NO. 68201
398 EAST DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION NO. 28578

DATE: 01.14.12
DWN BY: JLA
CHK BY: HFN
SCALE: NTS

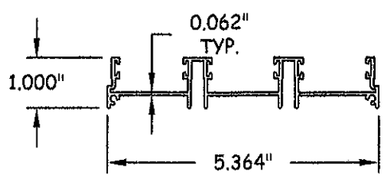
DWG #: ATR033

SHEET: 8 OF 9

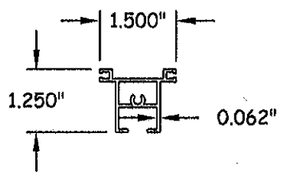
3 FRAME JAMB (2-TRACK) ALUMINUM 6063-T6



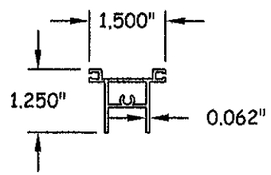
3A FRAME JAMB (3-TRACK) ALUMINUM 6063-T6



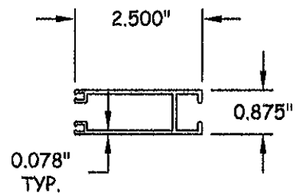
5 TOP RAIL (SINGLE GLAZE) ALUMINUM 6063-T6



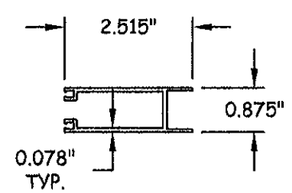
5A TOP RAIL (INSUL. GLASS) ALUMINUM 6063-T6



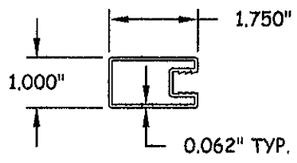
6 BOTTOM RAIL (SINGLE GLAZE) ALUMINUM 6063-T6



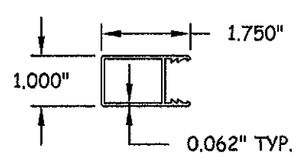
6A BOTTOM RAIL (INSUL. GLASS) ALUMINUM 6063-T6



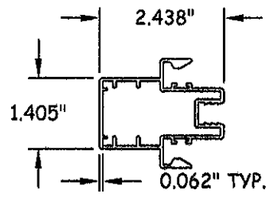
7 LOCK STILE (SINGLE GLAZE) ALUMINUM 6063-T6



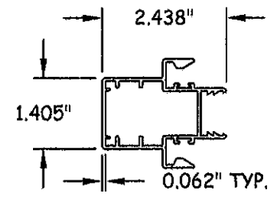
7A LOCK STILE (INSUL. GLASS) ALUMINUM 6063-T6



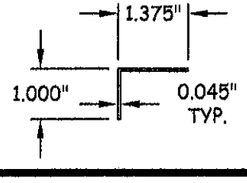
8 INTERLOCK (SINGLE GLAZE) ALUMINUM 6063-T6



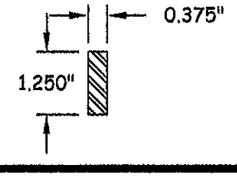
8A INTERLOCK (INSUL. GLASS) ALUMINUM 6063-T6

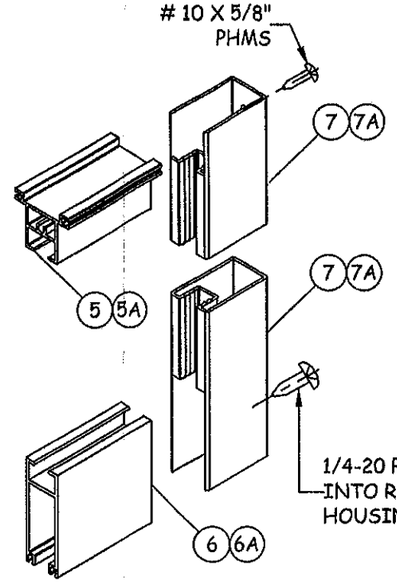


10 FIXED PANEL CLIP ALUMINUM 6063-T6



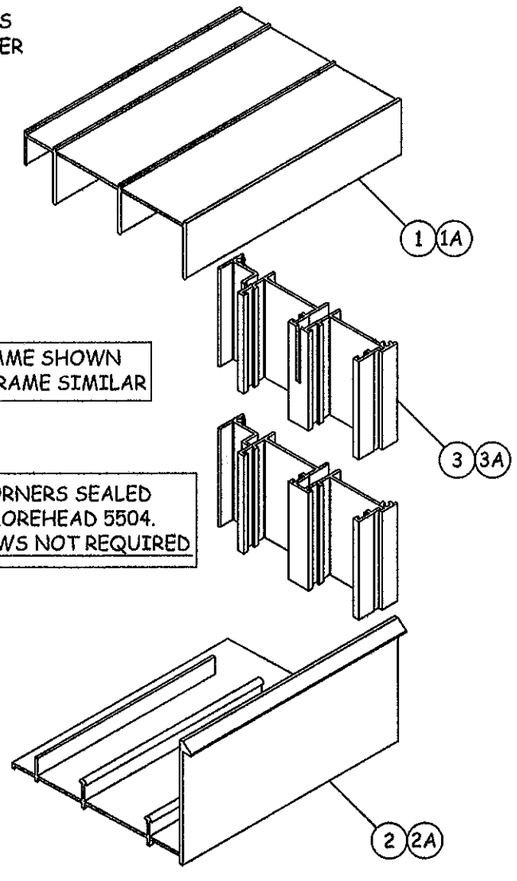
19 REINFORCING BAR STEEL





R 9 CORNER SECTION

PANEL CORNER ASSEMBLY
TYPICAL



TWO-TRACK FRAME SHOWN
THREE-TRACK FRAME SIMILAR

NOTE: FRAME CORNERS SEALED WITH SCHNEE MOREHEAD 5504. ASSEMBLY SCREWS NOT REQUIRED

S 9 CORNER SECTION

FRAME CORNER ASSEMBLY
TYPICAL

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 12-0313.00
Expiration Date 05/12/2015
By
Miami Dade Product Control

ATRIUM COMPANIES, INC.
9001 AMBASSADOR ROW
DALLAS, TEXAS 75247
PH: (214) 637-2696 FX: (214) 424-6734

TITLE: MSD/M2-3 XHP ALUM. SLIDING GLASS DOOR COMPONENTS & CORNER SECTION ASSEMBLIES

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
PH: 954.399.8478 FX: 954.744.4738

REVISIONS	NO.	DESCRIPTION	BY	DATE

ALEXIS SPYROU
FLORIDA P. E. NO. 68101
398 EAST DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION NO. 29578

DATE:	DWN BY:	CHK BY:	SCALE:
01.14.12	JLA	HFN	NTS

DWG #: ATR033

SHEET: 9 OF 9